

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/647,519

Source:

IFWO

Date Processed by STIC:

2/13/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT

MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

## RAW SEQUENCE LISTING

DATE: 02/13/2004

PATENT APPLICATION: US/10/647,519

TIME: 12:04:44

Input Set : A:\2314-269seq.txt

Output Set: N:\CRF4\02132004\J647519.raw

3 <110> APPLICANT: Fainzilber, Michael M.  
4 Kits, Karel S.  
5 Burlingame, Alma L.  
6 Olivera, Baldomero M.  
7 Walker, Craig  
8 Watkins, Maren  
9 Shetty, Reshma  
10 Cruz, Lourdes J.  
11 Imperial, Julita  
12 Colledge, Clark  
13 University of Utah Resarch Foundation  
14 Vrije Universiteit  
15 Regents of the University of California  
17 <120> TITLE OF INVENTION: Gamma-Conopeptides  
19 <130> FILE REFERENCE: 2314-147-sq2  
C--> 21 <140> CURRENT APPLICATION NUMBER: US/10/647,519  
C--> 22 <141> CURRENT FILING DATE: 2003-08-26  
24 <150> PRIOR APPLICATION NUMBER: US 60/069,706  
25 <151> PRIOR FILING DATE: 1997-12-16  
27 <160> NUMBER OF SEQ ID NOS: 47  
29 <170> SOFTWARE: PatentIn Ver. 2.0  
31 <210> SEQ ID NO: 1  
32 <211> LENGTH: 42  
33 <212> TYPE: PRT  
34 <213> ORGANISM: Artificial Sequence  
36 <220> FEATURE:  
37 <223> OTHER INFORMATION: Description of Artificial Sequence:generic formula  
38 of gamma-conopeptides  
40 <220> FEATURE:  
41 <221> NAME/KEY: PEPTIDE  
42 <222> LOCATION: (1)..(13)  
43 <223> OTHER INFORMATION: Xaa at residues 1, 2, 3, 4, 5, and 6 may be  
44 des-Xaa or any amino acid; Xaa at residues 8, 9,  
45 10, 11 and 12 may be any amino acid; Xaa at  
46 residue 13 may be des-Xaa or any amino acid.  
48 <220> FEATURE:  
49 <221> NAME/KEY: PEPTIDE  
50 <222> LOCATION: (15)..(19)  
51 <223> OTHER INFORMATION: Xaa at residues 15, 16, 17 and 18 may be any amino  
52 acid; Xaa at residue 19 is Glu,  
53 gamma-carboxyglutamate or Gln.  
55 <220> FEATURE:  
56 <221> NAME/KEY: PEPTIDE

pg. 6  
Does Not Comply  
Corrected Diskette Needed  
(pg. 7-9)

## RAW SEQUENCE LISTING

DATE: 02/13/2004

PATENT APPLICATION: US/10/647,519

TIME: 12:04:44

Input Set : A:\2314-269seq.txt

Output Set: N:\CRF4\02132004\J647519.raw

57 <222> LOCATION: (22)..(28)

58 <223> OTHER INFORMATION: Xaa at residues 22, 23 and 24 may be any amino

59 acid; Xaa at residue 25 may be des-Xaa or any

60 amino acid; Xaa at residues 27, 28 and 29 may be

61 any amino acid.

63 <220> FEATURE:

64 <221> NAME/KEY: PEPTIDE

65 <222> LOCATION: (30)..(42)

66 <223> OTHER INFORMATION: Xaa at residues 30, 31 and 32 may be des-Xaa or

67 any amino acid; Xaa at residues 34, 35, 36, 37,

68 38, 39, 40, 41 and 42 may be des-Xaa or any amino

69 acid.

71 <400> SEQUENCE: 1

W--> 72 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa

73 1 5 10 15

75 Xaa Xaa Xaa Cys Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa

76 20 25 30

78 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

79 35 40

82 <210> SEQ ID NO: 2

83 <211> LENGTH: 42

84 <212> TYPE: PRT

85 <213> ORGANISM: Artificial Sequence

87 <220> FEATURE:

88 <223> OTHER INFORMATION: Description of Artificial Sequence:generic

89 sequence of gamma-conopeptides.

91 <220> FEATURE:

92 <221> NAME/KEY: PEPTIDE

93 <222> LOCATION: (1)..(13)

94 <223> OTHER INFORMATION: Xaa at residues 1, 2, 3, 4, 5 and 6 may be des-Xaa

95 or any amino acid; Xaa at residues 8, 9, 10, 11

96 and 12 may be any amino acid; Xaa at residue 13

97 may be des-Xaa or any amino acid.

99 <220> FEATURE:

100 <221> NAME/KEY: PEPTIDE

101 <222> LOCATION: (15)..(22)

102 <223> OTHER INFORMATION: Xaa at residues 15, 16, 17 and 18 may be any amino

103 acid; Xaa at residue 19 is Glu,

104 gamma-carboxyglutamate or Gln; Xaa at residue 22

105 is Ser or Thr.

107 <220> FEATURE:

108 <221> NAME/KEY: PEPTIDE

109 <222> LOCATION: (23)..(29)

110 <223> OTHER INFORMATION: Xaa at residues 23 and 24 may be any amino acid;

111 Xaa at residue 25 may be des-Xaa or any amino

112 acid; Xaa at residues 27, 28 and 29 may be any

113 amino acid.

115 <220> FEATURE:

116 <221> NAME/KEY: PEPTIDE

## RAW SEQUENCE LISTING

DATE: 02/13/2004

PATENT APPLICATION: US/10/647,519

TIME: 12:04:44

Input Set : A:\2314-269seq.txt

Output Set: N:\CRF4\02132004\J647519.raw

117 &lt;222&gt; LOCATION: (30)..(42)

118 <223> OTHER INFORMATION: Xaa at residues 30, 31 and 32 may be des-Xaa or  
 119 any amino acid; Xaa at residues 34, 35, 36, 37,  
 120 38, 39, 40, 41 and 42 may be des-Xaa or any amino  
 121 acid.

123 &lt;400&gt; SEQUENCE: 2

W--&gt; 124 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa

125 1 5 10 15

127 Xaa Xaa Xaa Cys Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa

128 20 25 30

130 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

131 35 40

134 &lt;210&gt; SEQ ID NO: 3

135 &lt;211&gt; LENGTH: 39

136 &lt;212&gt; TYPE: PRT

137 &lt;213&gt; ORGANISM: Artificial Sequence

139 &lt;220&gt; FEATURE:

140 <223> OTHER INFORMATION: Description of Artificial Sequence:generic formula  
 141 of gamma-conopeptides

143 &lt;220&gt; FEATURE:

144 &lt;221&gt; NAME/KEY: PEPTIDE

145 &lt;222&gt; LOCATION: (1)..(13)

146 <223> OTHER INFORMATION: Xaa at residue 1 is any amino acid; Xaa at  
 147 residues 2, 3, 4, 5 and 6 may be des-Xaa or any  
 148 amino acid; Xaa at residues 8, 9, 10, 11, 12 and  
 149 13 may be any amino acid.

151 &lt;220&gt; FEATURE:

152 &lt;221&gt; NAME/KEY: PEPTIDE

153 &lt;222&gt; LOCATION: (27)..(39)

154 <223> OTHER INFORMATION: Xaa at residues 27, 28, 29, 31, 32, 33, 34, 35, 36  
 155 and 37 may be any amino acid; Xaa at residues 38  
 156 and 39 may be des-Xaa or any amino acid.

158 &lt;220&gt; FEATURE:

159 &lt;221&gt; NAME/KEY: PEPTIDE

160 &lt;222&gt; LOCATION: (15)..(19)

161 <223> OTHER INFORMATION: Xaa at residues 15, 16, 17 and 18 may be any amino  
 162 acid; Xaa at residue 19 is Glu or  
 163 gamma-carboxyglutamate.

165 &lt;400&gt; SEQUENCE: 3

W--&gt; 166 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa

167 1 5 10 15

169 Xaa Xaa Xaa Cys Cys Ser Asn Ser Cys Asp Xaa Xaa Xaa Cys Xaa Xaa

170 20 25 30

172 Xaa Xaa Xaa Xaa Xaa Xaa Xaa

173 35

176 &lt;210&gt; SEQ ID NO: 4

177 &lt;211&gt; LENGTH: 39

178 &lt;212&gt; TYPE: PRT

179 &lt;213&gt; ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

DATE: 02/13/2004

PATENT APPLICATION: US/10/647,519

TIME: 12:04:44

Input Set : A:\2314-269seq.txt

Output Set: N:\CRF4\02132004\J647519.raw

181 <220> FEATURE:

182 <223> OTHER INFORMATION: Description of Artificial Sequence:generic

183 sequence of gamma-conopeptides.

185 <220> FEATURE:

186 <221> NAME/KEY: PEPTIDE

187 <222> LOCATION: (1)..(13)

188 <223> OTHER INFORMATION: Xaa at residue 1 is any amino acid; Xaa at

189 residues 2, 3, 4, 5 and 6 may be des-Xaa or any

190 amino acid; Xaa at residues 8, 9, 10, 11, 12 and

191 13 may be any amino acid.

193 <220> FEATURE:

194 <221> NAME/KEY: PEPTIDE

195 <222> LOCATION: (15)..(19)

196 <223> OTHER INFORMATION: Xaa at residue 15 is Ser or Thr; Xaa at residues

197 16, 17 and 18 may be any amino acid; Xaa at

198 residue 19 is Glu or gamma-carboxyglutamate.

200 <220> FEATURE:

201 <221> NAME/KEY: PEPTIDE

202 <222> LOCATION: (27)..(39)

203 <223> OTHER INFORMATION: Xaa at residues 27, 28, 29, 31, 32, 33, 34, 35, 36

204 and 37 may be any amino acid; Xaa at residues 38

205 and 39 may be des-Xaa or any amino acid.

207 <400> SEQUENCE: 4

W--> 208 Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa

209 1 5 10 15

211 Xaa Xaa Xaa Cys Ser Asn Ser Cys Asp Xaa Xaa Xaa Cys Xaa Xaa

212 20 25 30

214 Xaa Xaa Xaa Xaa Xaa Xaa Xaa

215 35

218 <210> SEQ ID NO: 5

219 <211> LENGTH: 34

220 <212> TYPE: PRT

221 <213> ORGANISM: Artificial Sequence

223 <220> FEATURE:

224 <223> OTHER INFORMATION: Description of Artificial Sequence:generic

225 sequence of gamma-conopeptides.

227 <220> FEATURE:

228 <221> NAME/KEY: PEPTIDE

229 <222> LOCATION: (1)..(6)

230 <223> OTHER INFORMATION: Xaa at residues 1 and 2 may be des-Xaa or any

231 amino acid; Xaa at residue 3 is Asp, Glu or

232 gamma-carboxyglutamate; Xaa at residues 5 and 6

233 may be any amino acid.

235 <220> FEATURE:

236 <221> NAME/KEY: PEPTIDE

237 <222> LOCATION: (7)..(16)

238 <223> OTHER INFORMATION: Xaa at residue 7 is Trp or 6-bromo-Trp; Xaa at

239 residues 9, 10, 13 and 14 may be any amino acid;

240 Xaa at residue 16 is Glu or

## RAW SEQUENCE LISTING

DATE: 02/13/2004

PATENT APPLICATION: US/10/647,519

TIME: 12:04:44

Input Set : A:\2314-269seq.txt

Output Set: N:\CRF4\02132004\J647519.raw

241 gamma-carboxyglutamate.  
 243 <220> FEATURE:  
 244 <221> NAME/KEY: PEPTIDE  
 245 <222> LOCATION: (28)..(34)  
 246 <223> OTHER INFORMATION: Xaa at residues 28, 30, 31, 32, 33 and 34 may be  
 247 any amino acid.  
 249 <400> SEQUENCE: 5  
**W--> 250 Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Cys Thr Xaa Xaa Ser Xaa**  
 251 1 5 10 15  
 253 Cys Cys Ser Asn Ser Cys Asp Gln Thr Tyr Cys Xaa Leu Xaa Xaa Xaa  
 254 20 25 30  
 256 Xaa Xaa  
 260 <210> SEQ ID NO: 6  
 261 <211> LENGTH: 32  
 262 <212> TYPE: PRT  
 263 <213> ORGANISM: Conus pennaceus  
 265 <220> FEATURE:  
 266 <221> NAME/KEY: PEPTIDE  
 267 <222> LOCATION: (1)..(31)  
 268 <223> OTHER INFORMATION: Xaa at residue 5 is Trp or 6-bromo-Trp; Xaa at  
 269 residues 14 and 26 are Glu or  
 270 gamma-carboxyglutamate; Xaa at residue 31 is Pro  
 271 or hydroxy-Pro.  
 273 <400> SEQUENCE: 6  
**W--> 274 Asp Cys Thr Ser Xaa Phe Gly Arg Cys Thr Val Asn Ser Xaa Cys Cys**  
 275 1 5 10 15  
 277 Ser Asn Ser Cys Asp Gln Thr Tyr Cys Xaa Leu Tyr Ala Phe Xaa Ser  
 278 20 25 30  
 284 <210> SEQ ID NO: 7  
 285 <211> LENGTH: 34  
 286 <212> TYPE: PRT  
 287 <213> ORGANISM: Conus textile  
 289 <220> FEATURE:  
 290 <221> NAME/KEY: PEPTIDE  
 291 <222> LOCATION: (1)..(34)  
 292 <223> OTHER INFORMATION: Xaa at residues 1, 7 and 34 are Trp or  
 293 6-bromo-Trp; Xaa at residues 3 and 16 are Glu or  
 294 gamma-carboxyglutamate; Xaa at residues 31 and 32  
 295 are Pro or hydroxy-Pro.  
 297 <400> SEQUENCE: 7  
**W--> 298 Xaa Leu Xaa Cys Ser Val Xaa Phe Ser His Cys Thr Lys Asp Ser Xaa**  
 299 1 5 10 15  
 301 Cys Cys Ser Asn Ser Cys Asp Gln Thr Tyr Cys Thr Leu Met Xaa Xaa  
 302 20 25 30  
 304 Asp Xaa  
 308 <210> SEQ ID NO: 8  
 309 <211> LENGTH: 39  
 310 <212> TYPE: PRT  
 311 <213> ORGANISM: Conus textile

RAW SEQUENCE LISTING ERROR SUMMARY  
 PATENT APPLICATION: US/10/647,519

DATE: 02/13/2004  
 TIME: 12:04:45

Input Set : A:\2314-269seq.txt  
 Output Set: N:\CRF4\02132004\J647519.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,22,23,24,25,27 ✓  
 Seq#:1; Xaa Pos. 28,29,30,31,32,34,35,36,37,38,39,40,41,42 ✓  
 Seq#:2; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,22,23,24,25,27  
 Seq#:2; Xaa Pos. 28,29,30,31,32,34,35,36,37,38,39,40,41,42  
 Seq#:3; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,27,28,29,31,32  
 Seq#:3; Xaa Pos. 33,34,35,36,37,38,39  
 Seq#:4; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,27,28,29,31,32/  
 Seq#:4; Xaa Pos. 33,34,35,36,37,38,39  
 Seq#:5; Xaa Pos. 1,2,3,5,6,7,9,10,13,14,16,28,30,31,32,33,34  
 Seq#:6; Xaa Pos. 5,14,26,31  
 Seq#:7; Xaa Pos. 1,3,7,16,31,32,34  
 Seq#:8; Xaa Pos. 1,2,4,10,19,31,34,36,37,39  
 Seq#:9; Xaa Pos. 9,13,17  
 Seq#:10; Xaa Pos. 2,3,10,12,18,26,32,33  
 Seq#:11; Xaa Pos. 3,5,16,18,22,25,31  
 Seq#:12; Xaa Pos. 1,5,8,11  
 Seq#:13; Xaa Pos. 5,8,10,15,16,23  
 Seq#:14; Xaa Pos. 4,9,12,13,17  
 Seq#:15; Xaa Pos. 8,15,16  
 Seq#:24; N Pos. 17  
 Seq#:36; Xaa Pos. 3,7,8,14,18  
 Seq#:37; Xaa Pos. 1  
 Seq#:39; N Pos. 12  
 Seq#:41; N Pos. 6,9,12,15,18,21,24  
 Seq#:42; Xaa Pos. 14,26,31  
 Seq#:43; Xaa Pos. 9,13  
 Seq#:44; Xaa Pos. 2  
 Seq#:45; Xaa Pos. 1,6,7,8,12,17,18,23

10/6/77, 519  
Page 7

<210> SEQ ID NO 24  
<211> LENGTH: 533  
<212> TYPE: DNA  
<213> ORGANISM: Conus textile  
<220> FEATURE:  
<221> NAME/KEY: CDS  
<222> LOCATION: (110)..(337)  
<400> SEQUENCE: 24

ctctgccggt tgacac<sup>o</sup>tca tctactctct cagtctccct gacagctgcc ttcagtcgac 60

Mandatory, please  
explain "N" locations.  
please see error  
explanation  
on page 8.

The type of errors shown exist throughout  
the Sequence Listing. Please check subsequent  
sequences for similar errors.

Seq. (39, 41)



## VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/647,519


DATE: 02/13/2004




TIME: 12:04:45

- Input Set : A:\2314-269seq.txt
- Output Set: N:\CRF4\02132004\J647519.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.Error Explanation: 

Seq#:1; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,22,23,24,25,27  
 Seq#:1; Xaa Pos. 28,29,30,31,32,34,35,36,37,38,39,40,41,42  
 Seq#:2; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,22,23,24,25,27  
 Seq#:2; Xaa Pos. 28,29,30,31,32,34,35,36,37,38,39,40,41,42  
 Seq#:3; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,27,28,29,31,32  
 Seq#:3; Xaa Pos. 33,34,35,36,37,38,39  
 Seq#:4; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,12,13,15,16,17,18,19,27,28,29,31,32  
 Seq#:4; Xaa Pos. 33,34,35,36,37,38,39  
 Seq#:5; Xaa Pos. 1,2,3,5,6,7,9,10,13,14,16,28,30,31,32,33,34  
 Seq#:6; Xaa Pos. 5,14,26,31  
 Seq#:7; Xaa Pos. 1,3,7,16,31,32,34  
 Seq#:8; Xaa Pos. 1,2,4,10,19,31,34,36,37,39  
 Seq#:9; Xaa Pos. 9,13,17  
 Seq#:10; Xaa Pos. 2,3,10,12,18,26,32,33  
 Seq#:11; Xaa Pos. 3,5,16,18,22,25,31  
 Seq#:12; Xaa Pos. 1,5,8,11  
 Seq#:13; Xaa Pos. 5,8,10,15,16,23  
 Seq#:14; Xaa Pos. 4,9,12,13,17  
 Seq#:15; Xaa Pos. 8,15,16  
 Seq#:24; N Pos. 17   
 Seq#:36; Xaa Pos. 3,7,8,14,18  
 Seq#:37; Xaa Pos. 1  
 Seq#:39; N Pos. 12   
 Seq#:41; N Pos. 6,9,12,15,18,21,24   
 Seq#:42; Xaa Pos. 14,26,31  
 Seq#:43; Xaa Pos. 9,13  
 Seq#:44; Xaa Pos. 2  
 Seq#:45; Xaa Pos. 1,6,7,8,12,17,18,23

## VERIFICATION SUMMARY

DATE: 02/13/2004

PATENT APPLICATION: US/10/647,519

TIME: 12:04:45

Input Set : A:\2314-269seq.txt

Output Set: N:\CRF4\02132004\J647519.raw

L:21 M:270 C: Current Application Number differs, Replaced Application Number  
L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
M:341 Repeated in SeqNo=1  
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
M:341 Repeated in SeqNo=2  
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
M:341 Repeated in SeqNo=3  
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
M:341 Repeated in SeqNo=4  
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
M:341 Repeated in SeqNo=5  
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
M:341 Repeated in SeqNo=6  
L:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
M:341 Repeated in SeqNo=7  
L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
M:341 Repeated in SeqNo=8  
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
M:341 Repeated in SeqNo=9  
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
M:341 Repeated in SeqNo=10  
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
M:341 Repeated in SeqNo=11  
L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
M:341 Repeated in SeqNo=13  
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
M:341 Repeated in SeqNo=14  
L:473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:734 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:24 ✓  
L:734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0  
M:341 Repeated in SeqNo=36  
L:1113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:1140 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:39 ✓  
L:1140 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:39 ✓  
L:1140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
L:1168 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:41 ✓  
L:1168 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:41 ✓  
L:1168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:1184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
M:341 Repeated in SeqNo=42  
L:1206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:1224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
L:1241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
M:341 Repeated in SeqNo=45